APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

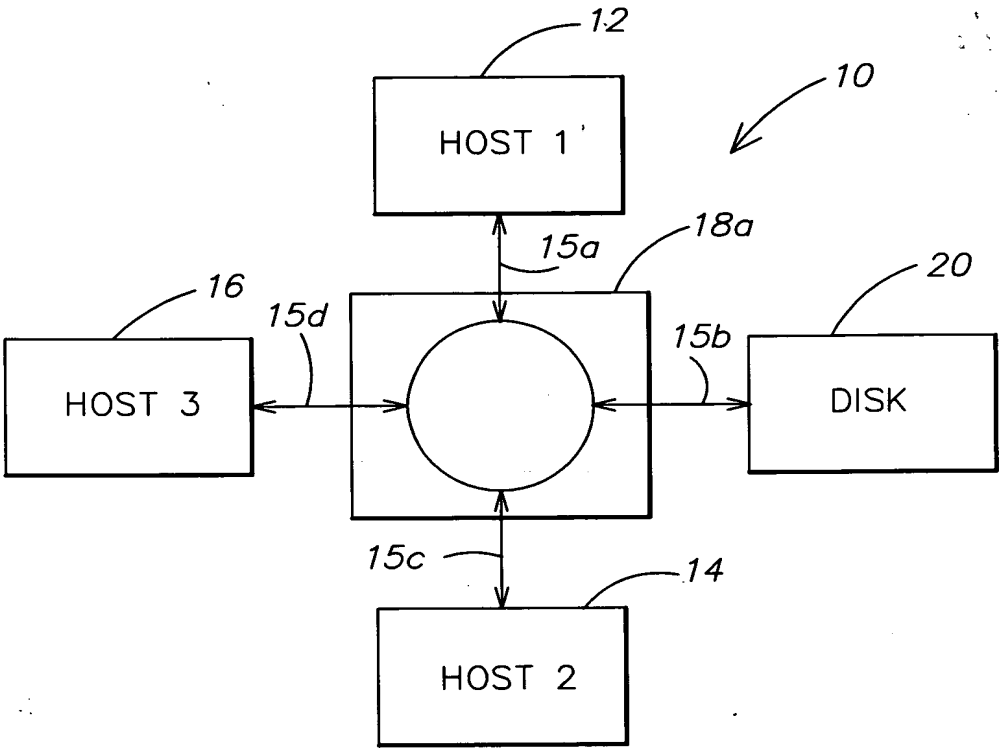

FIG. 1A

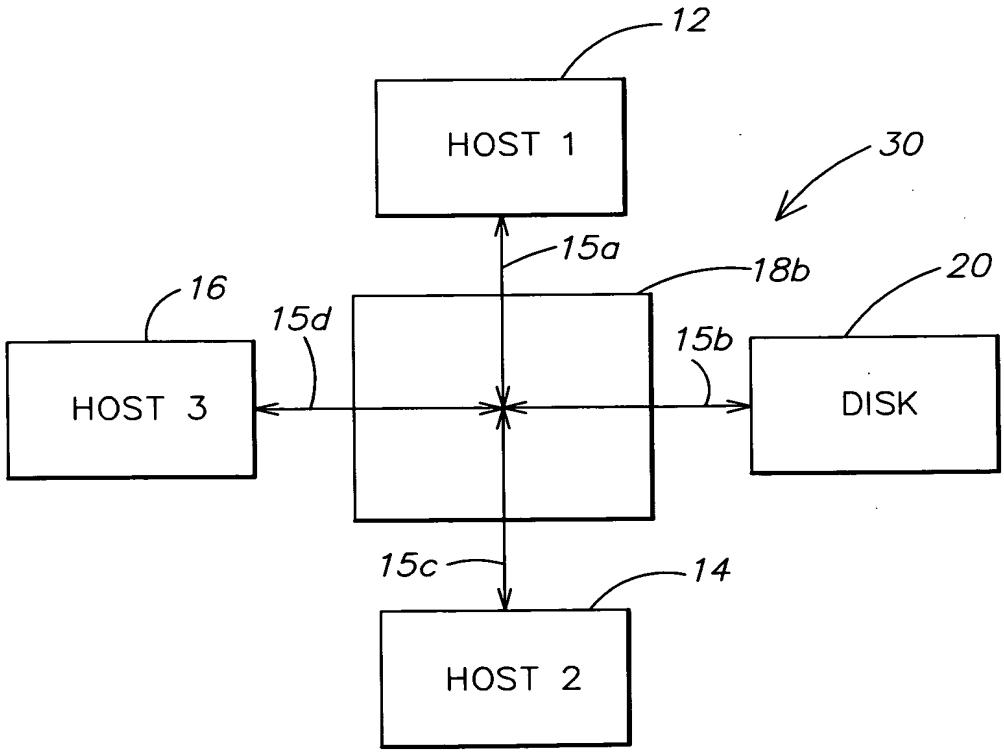

FIG. 1B

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

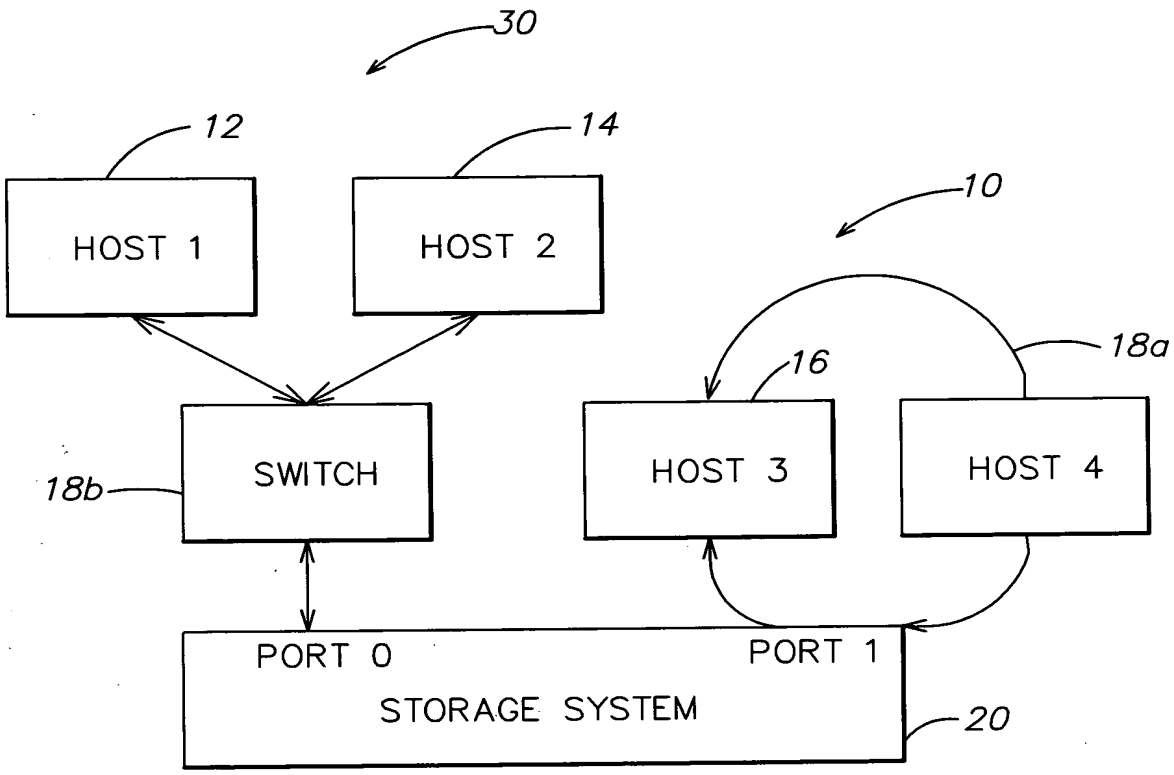

FIG. 1C

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

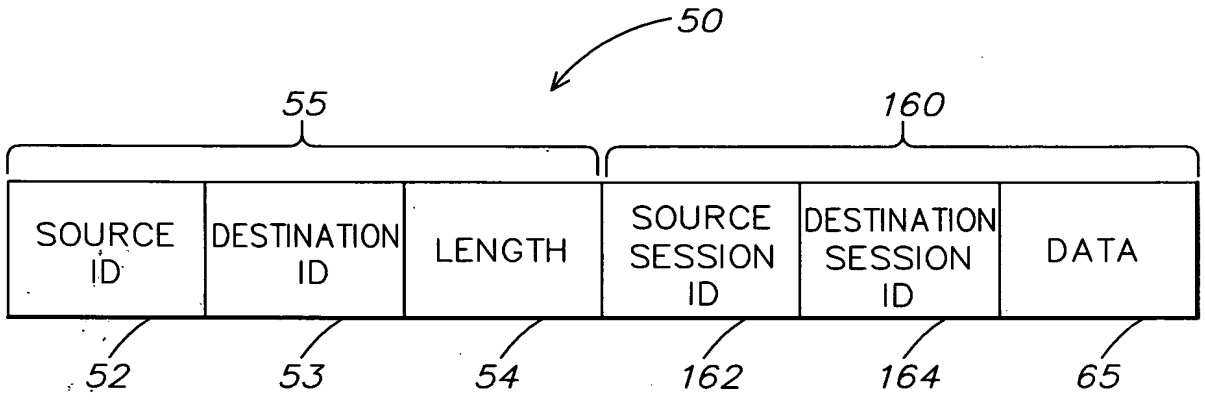

FIG. 2

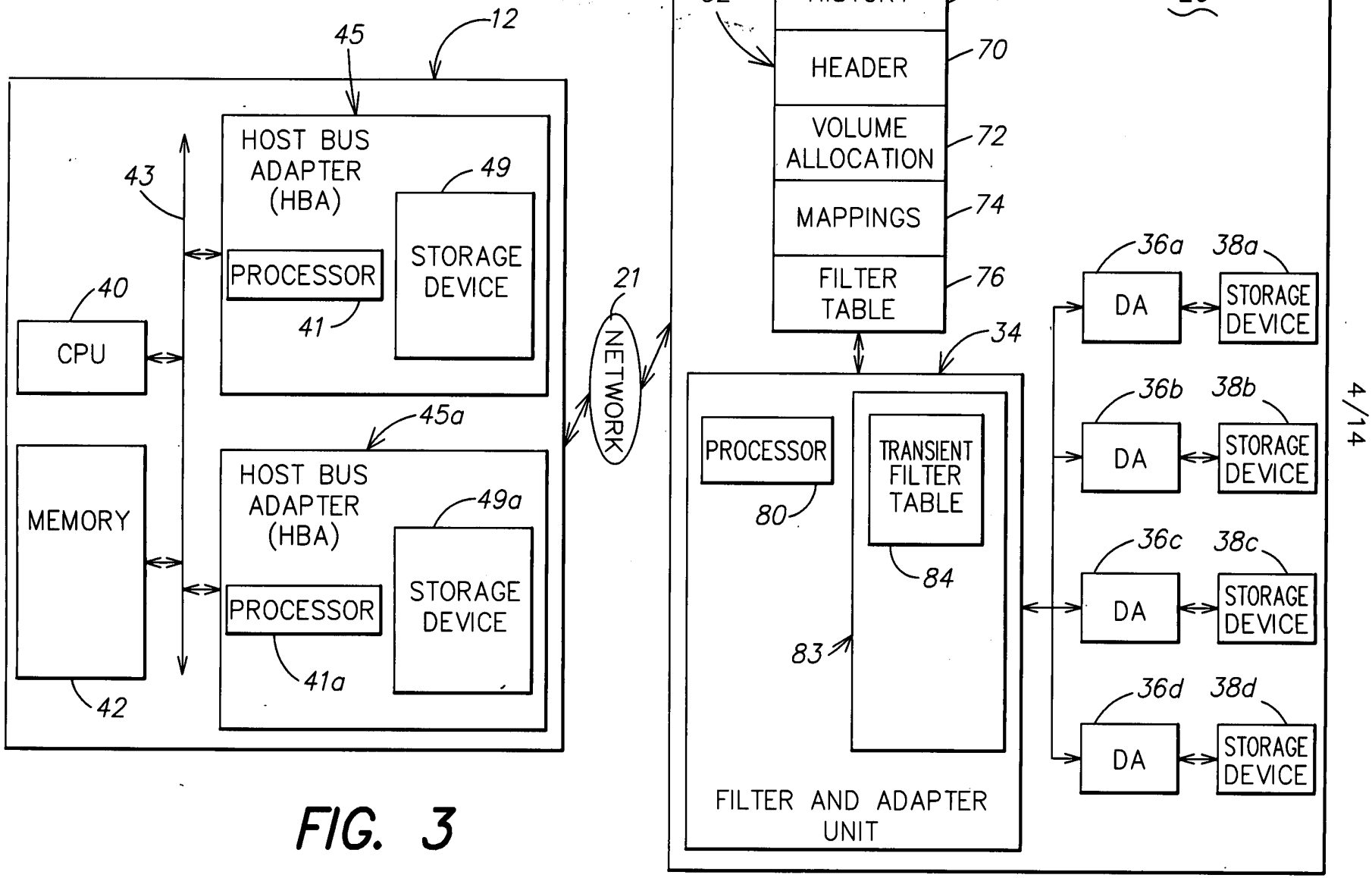

FIG. 3

APPROVED BY DRAFTSMAN
O.G. FIG. CLASS SUBCLASS

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

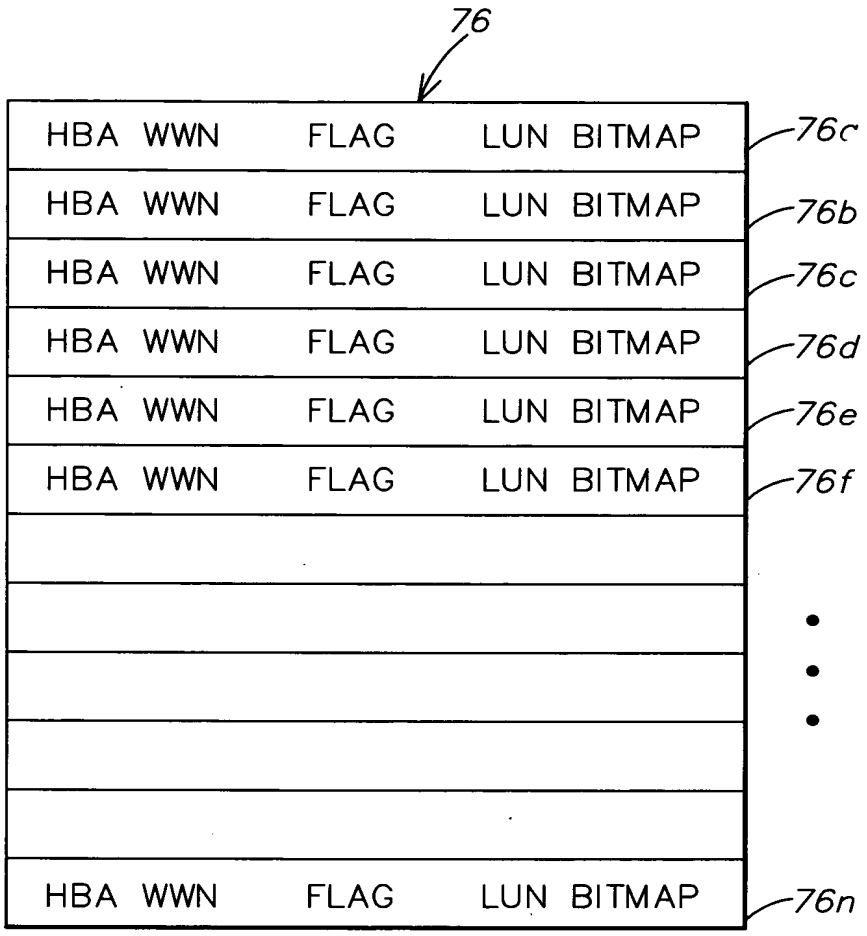

FIG. 4

APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

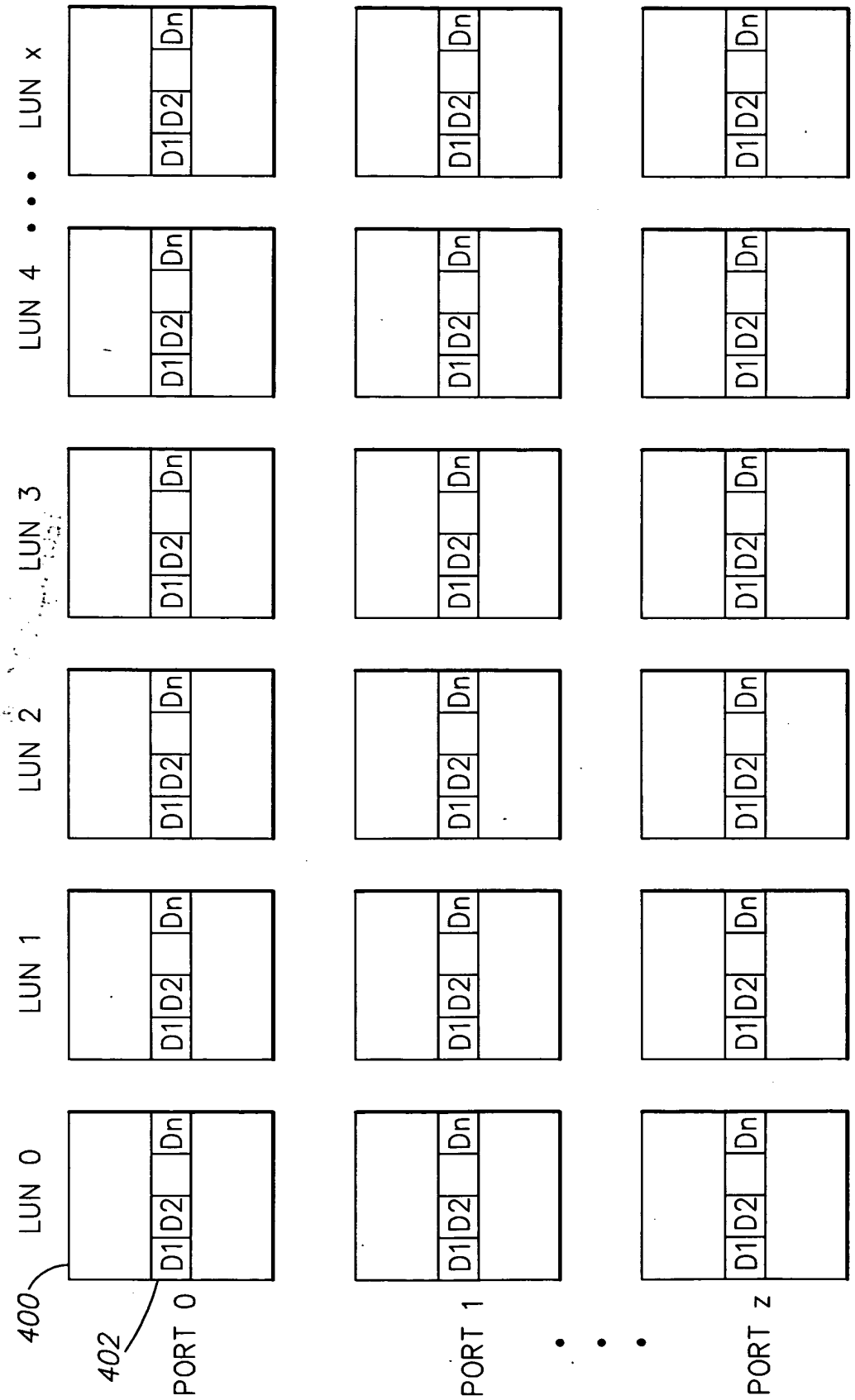

FIG. 5

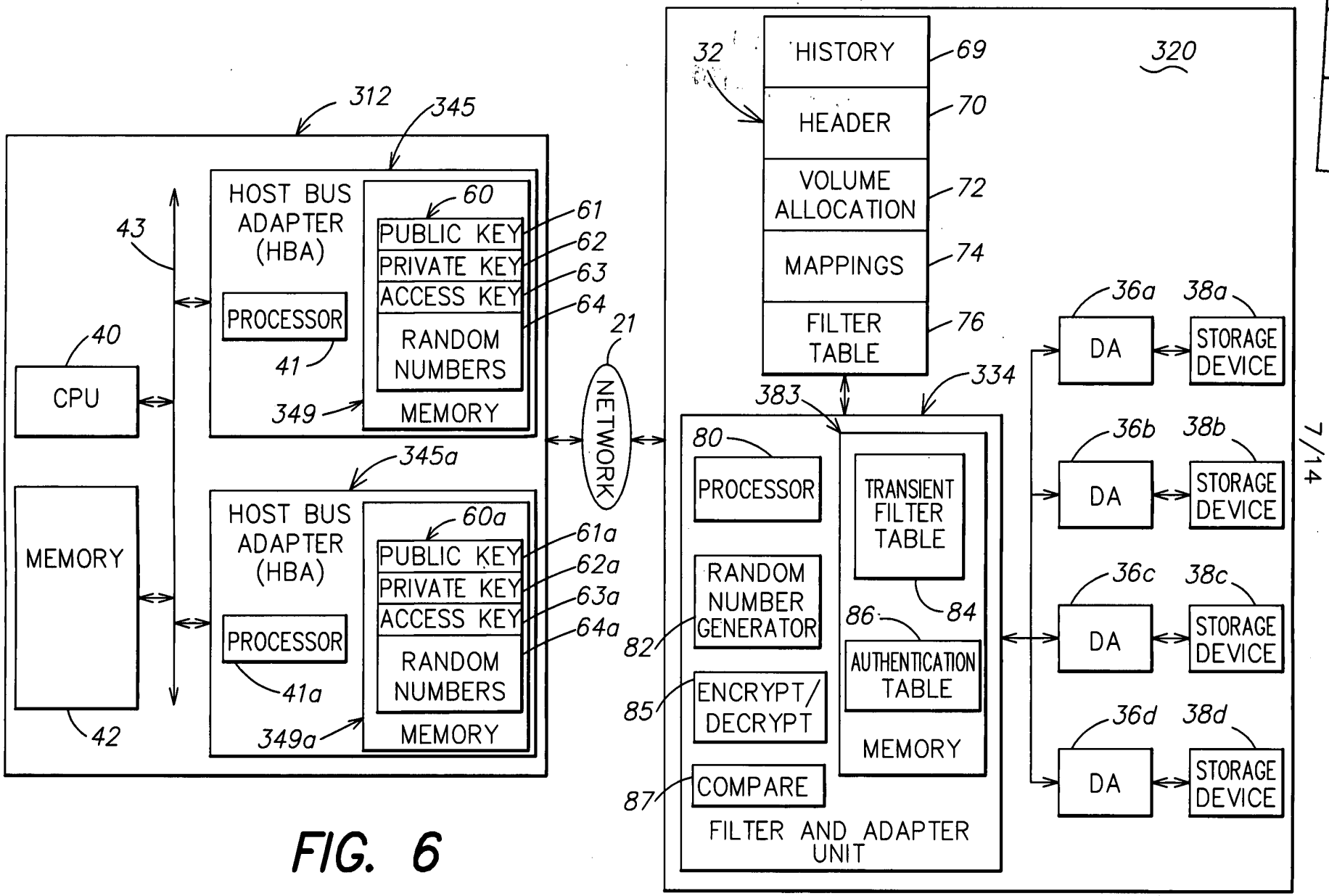

FIG. 6

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

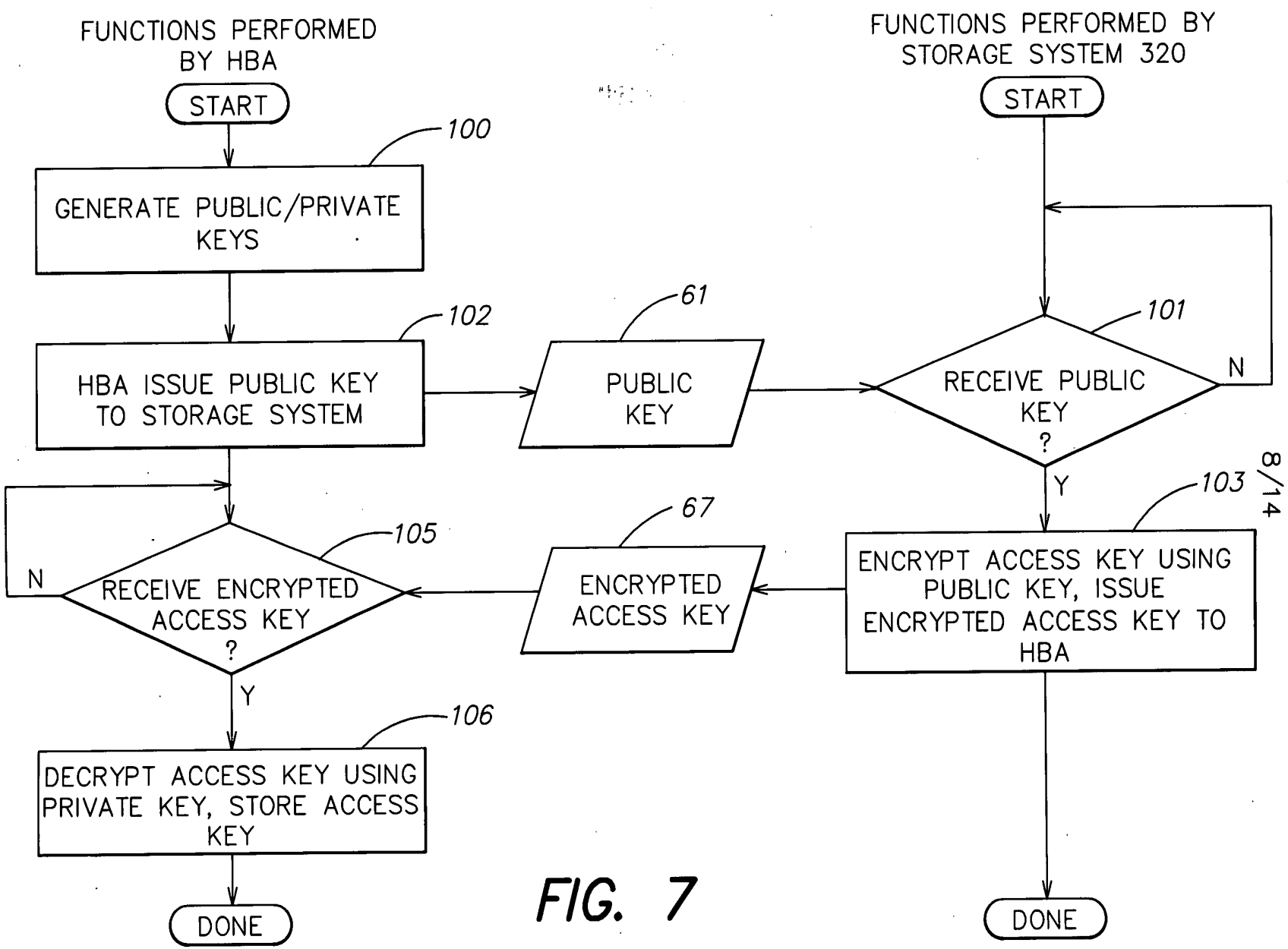

FIG. 7

APPROVED
BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

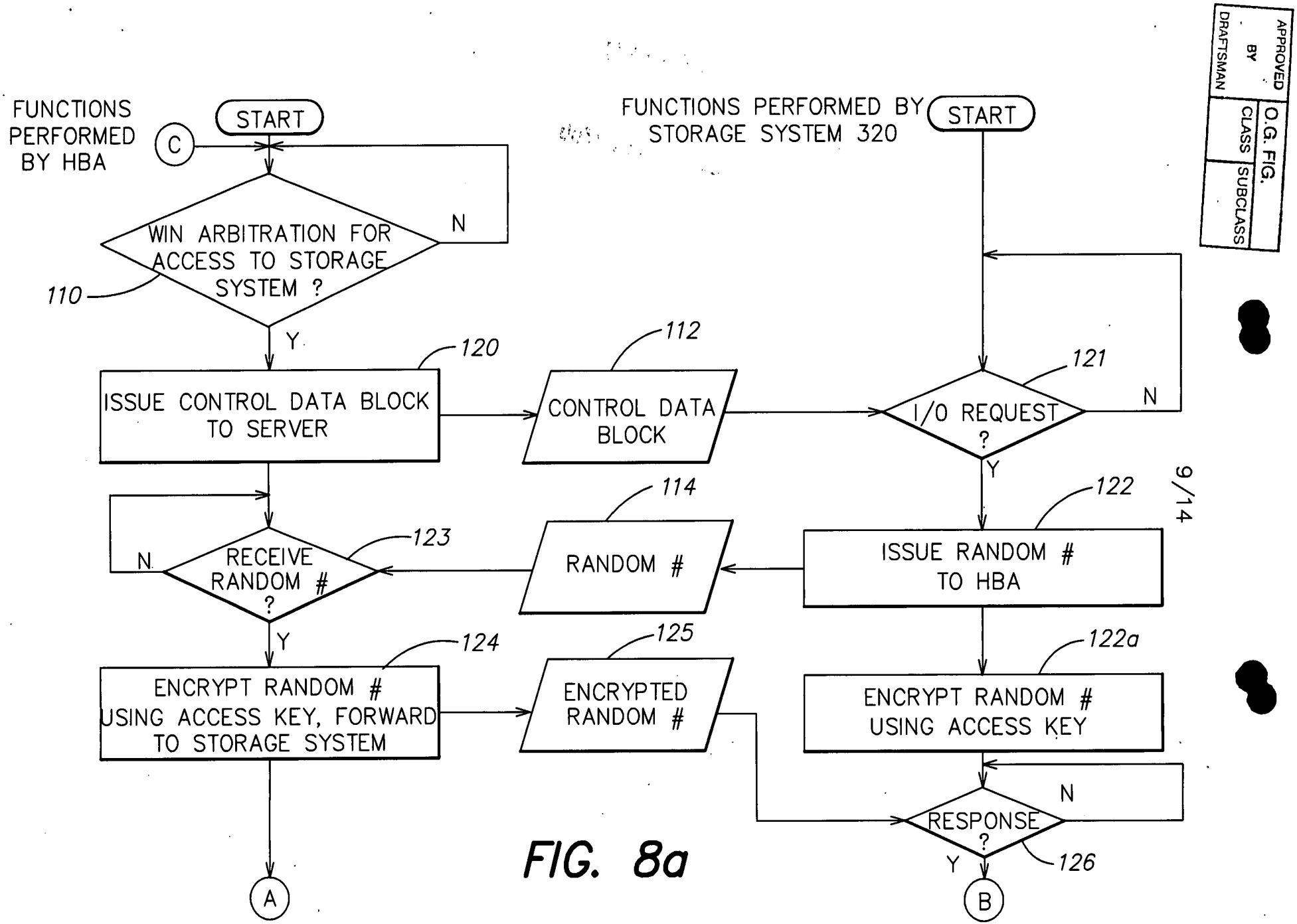
FUNCTIONS PERFORMED BY HBA
START
C
WIN ARBITRATION FOR ACCESS TO STORAGE SYSTEM ?
110
N
Y
ISSUE CONTROL DATA BLOCK TO SERVER
120
CONTROL DATA BLOCK
112
RECEIVE RANDOM # ?
123
N
Y
RANDOM #
114
ENCRYPT RANDOM # USING ACCESS KEY, FORWARD TO STORAGE SYSTEM
124
ENCRYPTED RANDOM #
125
A
FUNCTIONS PERFORMED BY STORAGE SYSTEM 320
START
I/O REQUEST ?
121
N
Y
ISSUE RANDOM # TO HBA
122
ENCRYPT RANDOM # USING ACCESS KEY
122a
RESPONSE ?
N
Y
126
B
APPROVED
BY
DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 8a

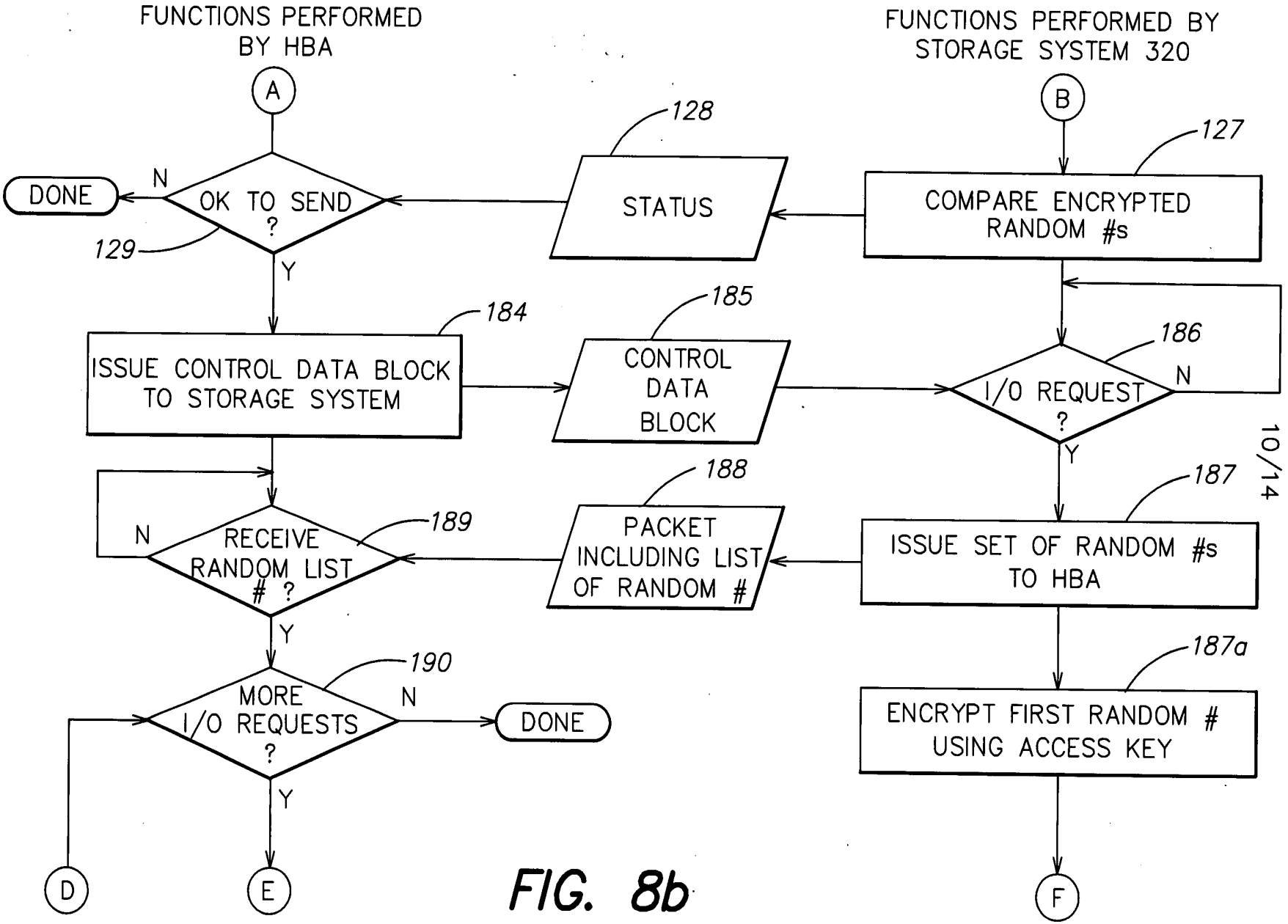

FIG. 8b

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APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

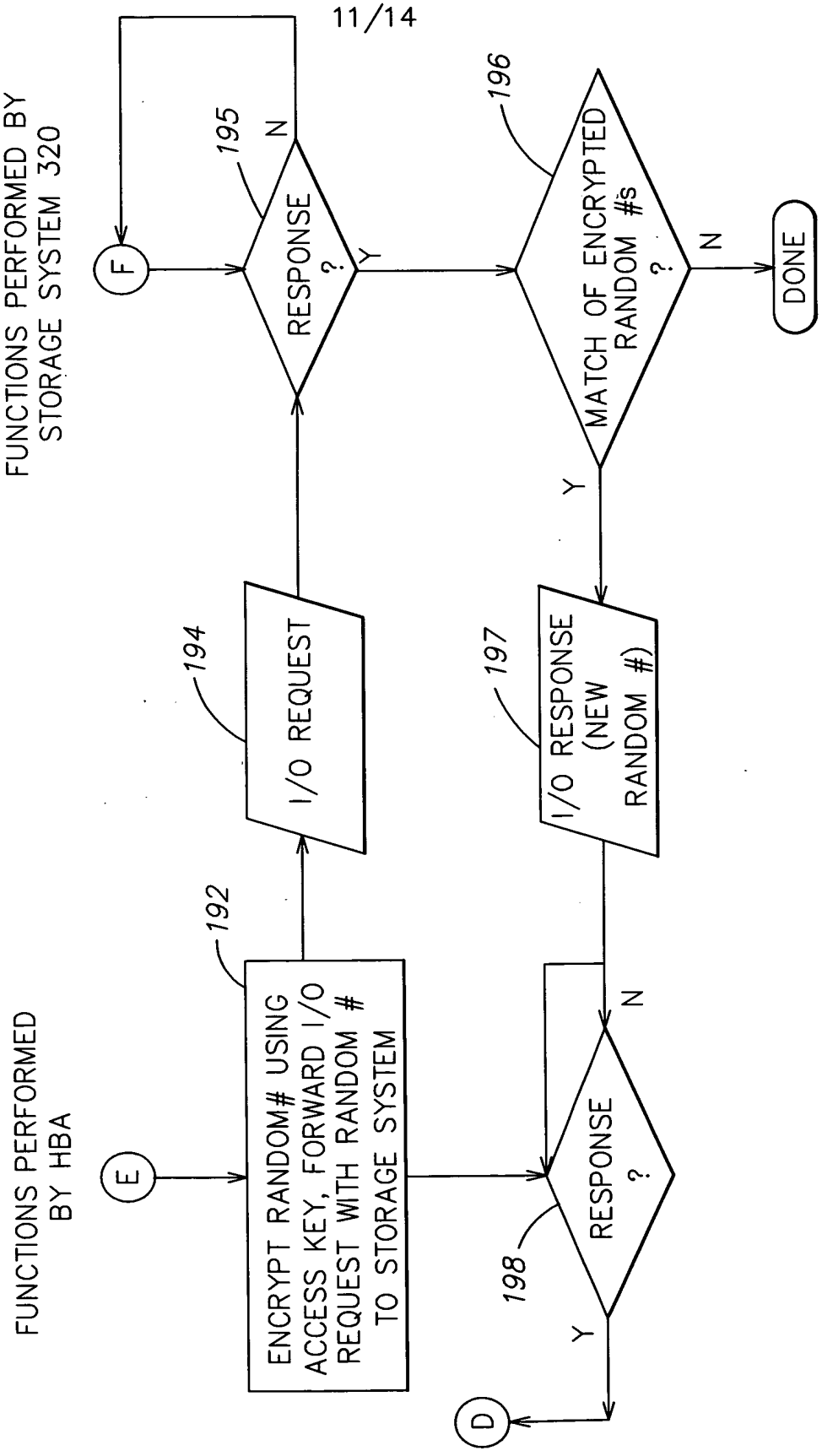

FIG. 8c

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

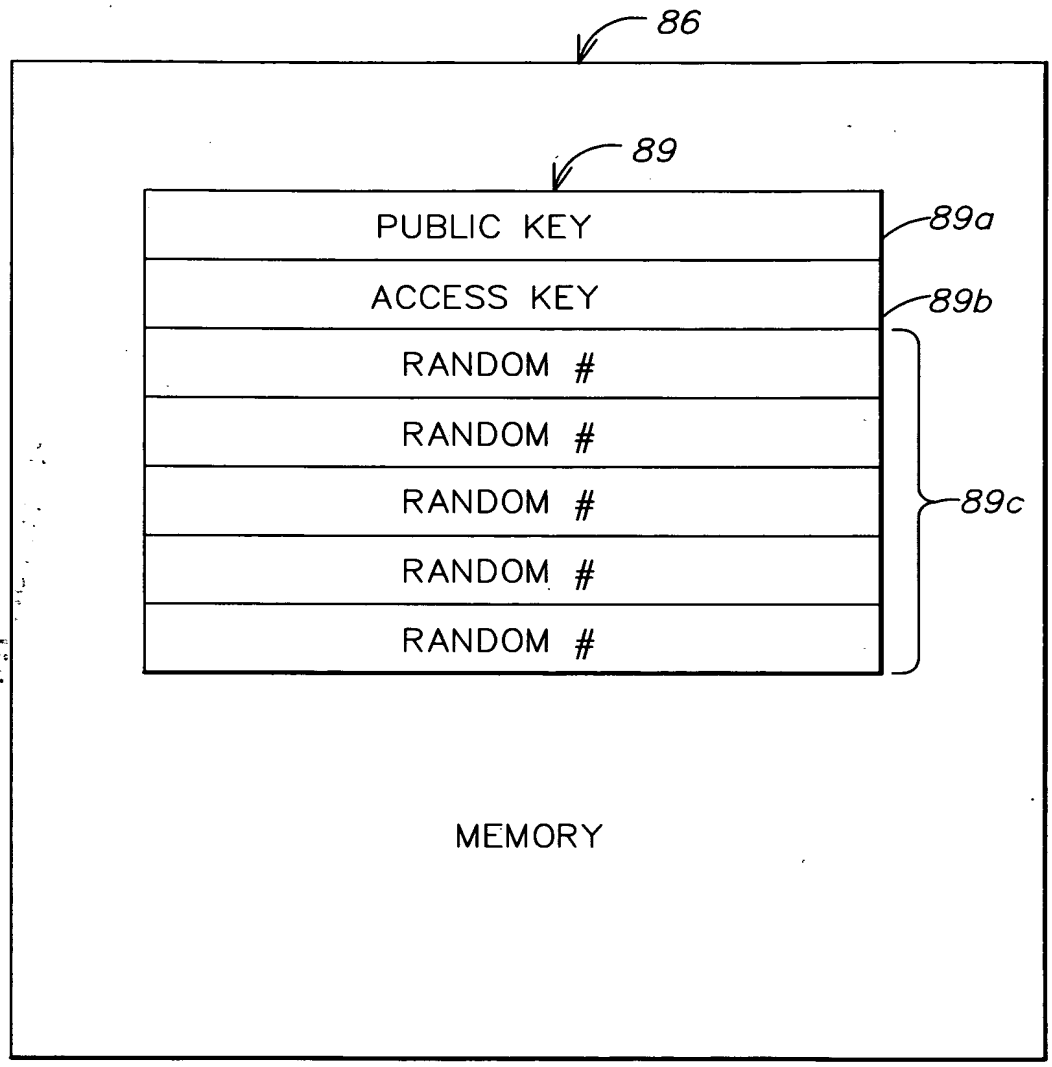

FIG. 9

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

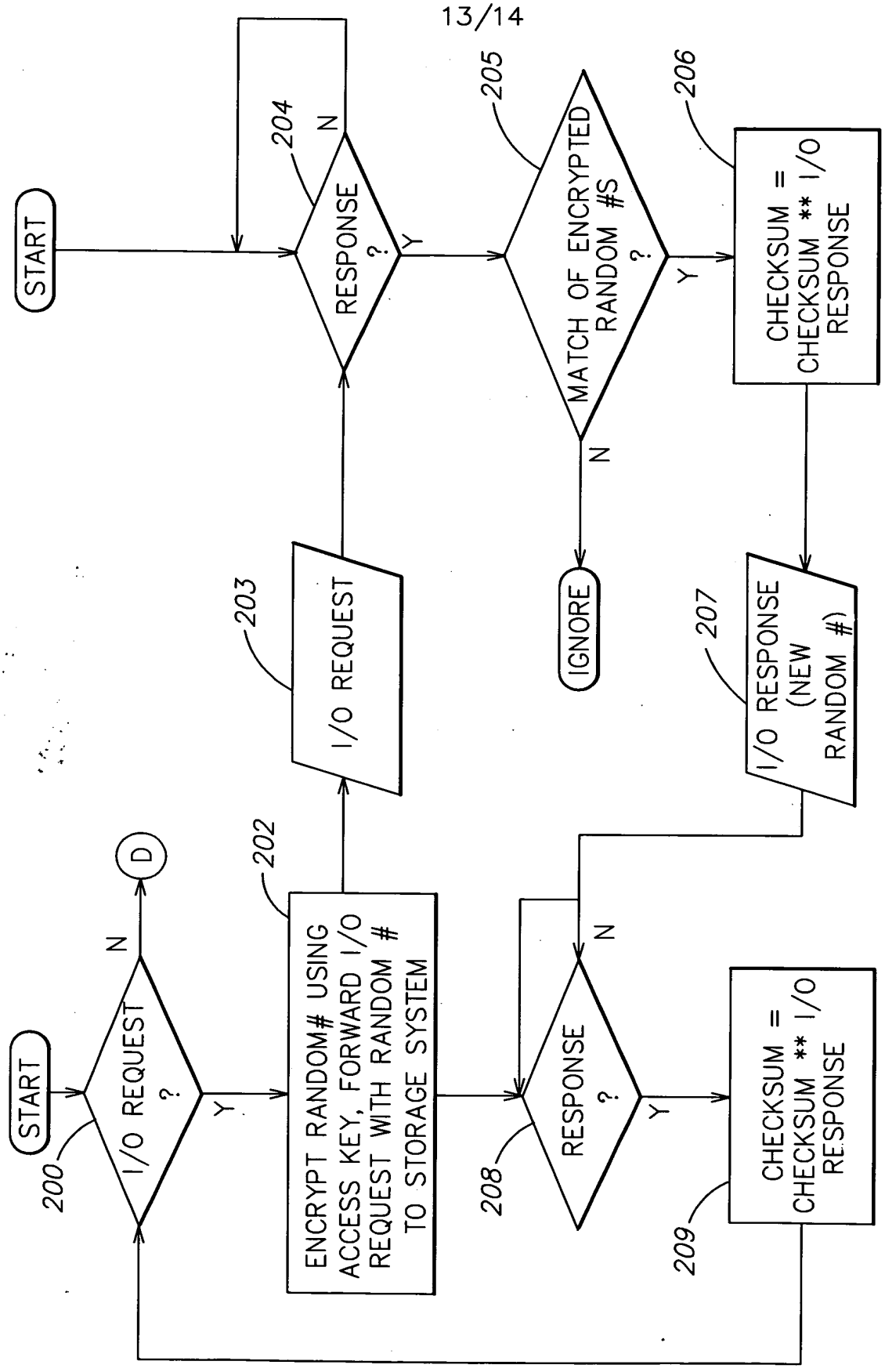

FIG. 10

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

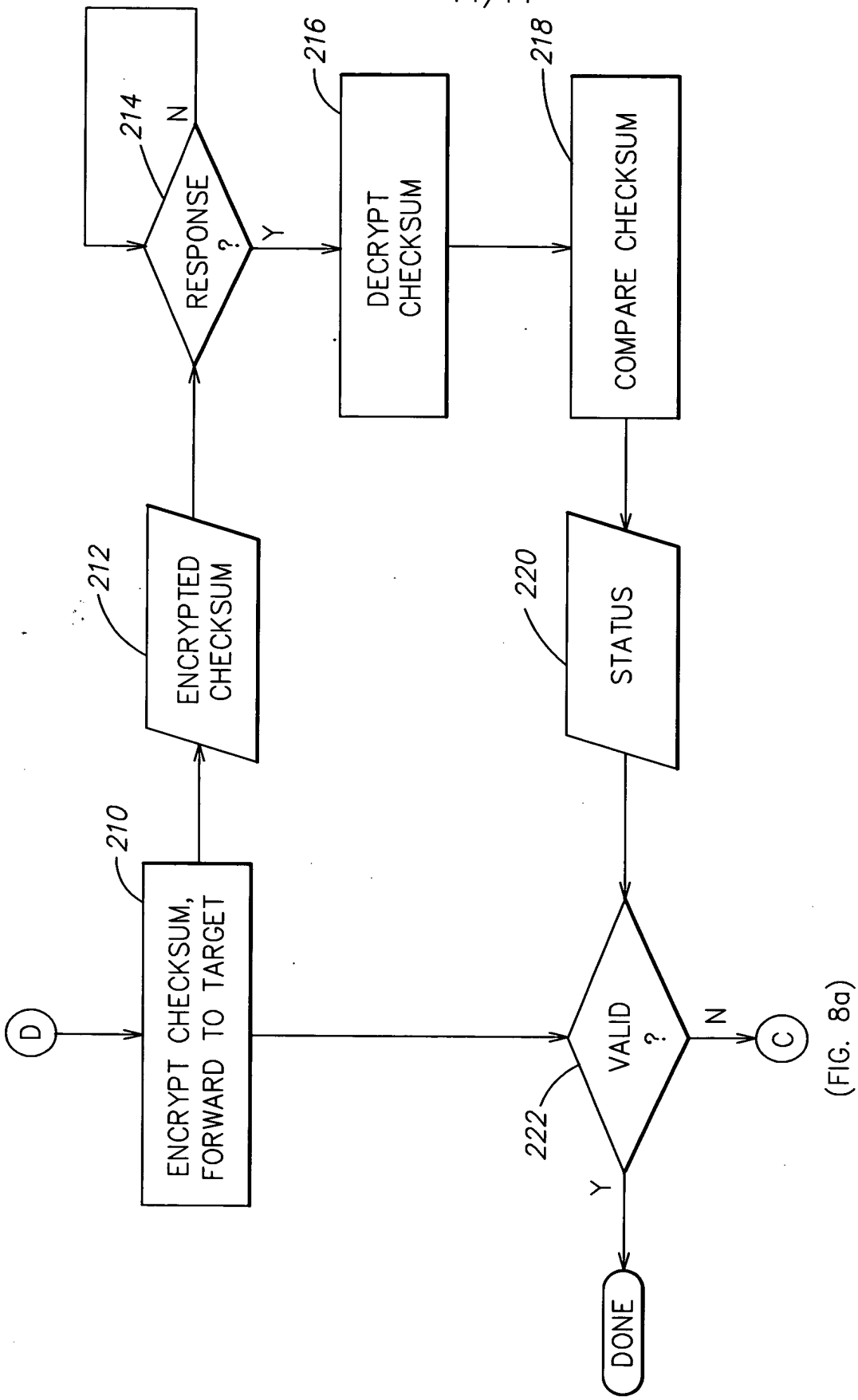

FIG. 11